

Vision is
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Camera AMOS 102°/118° ATVC PAL/NTSC (Mirror)

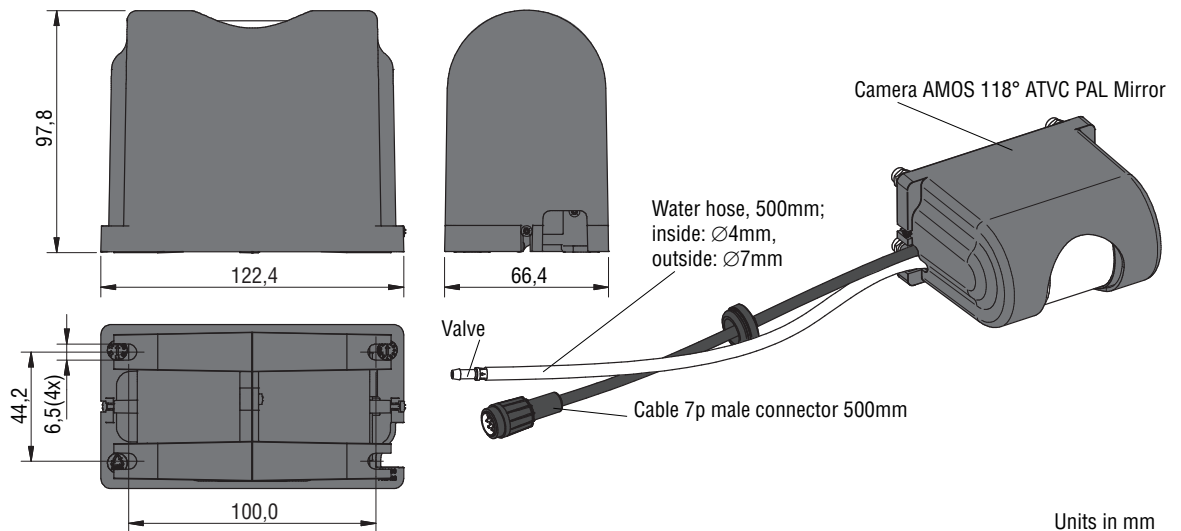
Article no. 0125020

2015 • DS0125020 EN R2-0

Product Data



Dimensions



Units in mm

TECHNICAL DATA

Camera AMOS 102°/118° ATVC PAL/NTSC (Mirror)

	Description		
Article number	0125020	0125120	0125030
Description	AMOS 118° ATVC PAL Mirror	AMOS 118° ATVC NTSC Mirror	AMOS 102° Maxview ATVC PAL
Lens specified	118°	118°	102°
Horizontal lens angle	118°	118°	102°
Vertical lens angle	89°	89°	86°
Video signal	PAL = 720(H)x576(V) 50fld/s. NTSC = 720(H)x480(V) 60fld/s. 1 Vtt composite video into 75 Ohm.		
Sensor element	¼" CMOS digital image sensor. 680 H x 480 V.		
Light sensitivity	<0,05 Lux.		
Dynamic Range	80dB.		
	Electrical		
Power input	12.. 24V via the i/o box 0404190. Below 6V: camera is non functional. Between 7V heating element automatically activated (20% capacity). At 8V the camera is fully functional and the heating is at 40% of its capacity. At 12V the heating is at 100% capacity. Between 12V and 33V camera and heating element are fully functional. Above 33V the overvoltage protection is activated and camera plus heating element are switched off. This overvoltage-protection is deactivated below 32V. Powercircuit is protected up to 80V/Dc. Outputs are Short Circuit Protected. <i>In all these above mentioned values; a tolerance of +/-10% is applied.</i>		
Power consumption	Heating, Motor, Relais off: 1,6W at 24V; Heating, Motor, Relais on (max. Power at -40°C): 15W at 24V.		
	Mechanical		
Housing	High impact automotive synthetic thermoplastic polymer, black.		
Rotation	Endless 360°.		
Belt	rubber driving belt.		
Min pressure at nozzle	1.8Bar.		
Min flow	1.0 l/min.		
Weight	0,64 kg.		
Glass	Hardened Borosilicate glass 3.3.		
Protection	Ingress protection for usage on trucks and mobile cranes.**		
Operating temperature	-40°C to +85°C.		
Mounting hardware	Standard stainless steel.		
Shock constancy	Shock and vibration resistant for usage on trucks and mobile cranes.**		
Truck use	Withstand all fluids and materials used in and around trucks like: ammonia solution 5%, ethanol 80-100%, isopropanol 5-10%, soapy water (min. 50% soap per volume), alkaline degreasing compounds(used in high pressure washing equipment).**		
Connectors	0,5m cable with 7p male connector (always connect to 0404190 I/O Box). 0,5m waterhose with valve to connect to waterpump.		
Min. cable bend radius	60mm.		
	Certification		
Approvals	Approvals in compliance with all relevant EMC- and Automotive directives. Certificates available upon request.		
ATVC	All Time Vision Camera. The camera has a self cleaning mode. The camera lens is build in a glass tube which can rotate via an industrial stepping motor. Upon activation, water is sprayed onto the glass surface via a nozzle, the rotation is activated and the glass surface is cleaned via a build in wiper. The stepping motor is controlled via the I/O box 0404190. Activation is done via the Orlaco monitor or an input in the I/O box.		
NOTA	All specifications with ** are in test and will be fixed after receiving the results of the tests, Orlaco has the right to review this indicated specifications.		
Installation	See installation Manual IM0973380		

The product **Art. No. 0125020** forms together with **Art. No. 0404190**, the Set Camera Amos 118° ATVC PAL Mirror **Art. No. 0400160**.

All data subject to change without notice. All dimensions are for commercial purpose only.

The camera/display systems from Orlaco comply with the latest CE, ADR, EMC and mirror-directive regulations, where applicable.

All products are manufactured in accordance with the ISO 9001 quality management system, ISO/TS 16949 quality automotive, ISO 14001 environmental management systems and all Ex products with the IECEx scheme and ATEX directives, where applicable.

